



# Lectures day 4.9.2024

(part of Summer School of Single-Cell)

## PROGRAM

**REGISTRATION:** 08:00 – 08:45

**WELCOME:** 08:45 - 09:00

**Milena Králíčková (rector of Charles University)**

### **PART 1 9:00 – 10:30**

Chair: Valentina Caputo (London South Bank University) and Lenka Bešše (Masaryk University)

1. **Domenico Mavilio; University of Milan** – Licensing innate immune response in cancer therapies
2. **Agnieszka Ciesielska; 10X Genomics** – New era of single cell transcriptomics
3. **Denis Migliorini; University of Geneva** – Targeting tumor heterogeneity with engineered immune cells

**Coffee break (10:30 – 10:50)**

### **PART 2 10:50 - 12:00**

Chair: Valentina Caputo (London South Bank University) and Antonia Rotolo (University of Pennsylvania)

4. **Ana Stojanovic; University of Heidelberg** - Microenvironmental control of lymphocyte responses
5. **Diletta Dolfini; University of Milan** – title will be specified
6. **Monika Holubová, Charles University** - Presentation of Consortium for iNKT Research and Therapy (CiRT)

**LUNCH BREAK: 12:00 – 13:00**

### **PART 3 13:00 - 14:30**

Chair: Pavel Ostašov (Charles University) and Bartosz Wojtaś (Polish Academy of Sciences)

7. **Lenka Bešše; Masaryk University and Kantonsspital St.Gallen** – Bone marrow microenvironment-driven resistance to proteasome inhibition in multiple myeloma
8. **Antonia Rotolo; University of Pennsylvania** – Advancing iNKT therapies through comparative and computational biology
9. **Vadir Lopez-Salmeron; BD Bioscience** - BD Rhapsody™ Single-Cell Analysis System Fast track single-cell research without compromise

**Coffee break (14:30 – 15:00)**

### **PART 4 15:00 – 16:15**

Chair: Pavel Ostašov (Charles University) and Lucie Houdová (University of West Bohemia)

10. **Bartosz Wojtaś; Nencki Institute of Experimental Biology, Polish Academy of Sciences** – REST transcription factor in glioblastoma: KAISO transcription factor is entering the stage
11. **Michal Kolář; Institute of Molecular Genetics, Czech Academy of Sciences** – Approach for Advancing Transcriptomics: Single Cell and Spatial Solutions
12. **Roman Mouček, University of West Bohemia** – Needs and Possibilities of Data Science for Medicine

**LOCATION:** Charles University, Faculty of Medicine in Pilsen, UniMeC– Blue Lecture Hall (alej Svobody 1655/76, 323 00 Pilsen)

**NOTE:** COFFEE AND SNACK WILL BE PROVIDED FOR FREE. LUNCH IS ORGANIZED FOR SUMMER SCHOOL PARTICIPANTS ONLY